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ABSTRACT

System determines integrity of a product through shipment and has: (a) plurality of identical smart sensors for direct attachment to different locations on the product and (b) interrogating device, the identical smart sensors monitoring like environmental condition of the product during shipment and wirelessly communicating data about the environmental condition to the interrogating device during or after shipment, the interrogating device communicating the environmental condition over a network, wherein the identical smart sensors comprise an accelerometer and the environmental condition comprises acceleration. Method establishes product integrity after shipment from first location to second location by: attaching plurality of identical smart sensors directly to product at first location; monitoring environmental condition of product via the identical smart sensors during shipment; wirelessly communicating the environmental condition from the identical smart sensors to receiver at the second location; and communicating the environmental condition from the receiver to a third location.